

Job Title: TECHNICAL MANAGER V - TRAFFIC MANAGEMENT SYSTEM SPECIALIST - IPR#45916

Agency : Department of Transportation

Closing Date/Time: 06/07/2023

Salary: \$6,145-\$10,210 Monthly

Job Type: Salaried Full Time

County: Sangamon

Number of Vacancies: 1

Plan/BU: NR916 - Protech Teamsters

***This position is covered by the Revolving Door Prohibition Policy.**

This position is a union position; therefore, provisions of the relevant collective bargaining agreement/labor contract apply to the filling of this position.

All applicants who want to be considered for this position MUST apply electronically through the illinois.jobs2web.com website. State of Illinois employees should click the link near the top left to apply through the **SuccessFactors employee career portal.**

Applications submitted via email or any paper manner (mail, fax, hand delivery) will not be considered.

Agency Mission Statement

The Illinois Department of Transportation is seeking to hire a Traffic Management System Specialist.

The IDOT team works diligently to provide safe, cost-effective transportation for Illinois in ways that enhance quality of life, promote economic prosperity and protect our environment. We are problem solvers and leaders, constantly searching for innovations and improvements in support of our commitment to providing the best multimodal transportation system for Illinois.

Our team fosters a culture of inclusivity. We value diversity and hold ourselves to the highest ethical standards as we work together for a common purpose. Team members frequently collaborate with colleagues and others outside the department to best meet customer needs.

The department offers extensive training and career advancement opportunities. Employees also receive a robust benefit package including:

- Monday-Friday work schedule
- Flexible work schedules are available in many program areas.
- Health, Life, Vision, and Dental Insurance
- Pension Plan
- (10) Weeks paid Maternity/Paternity Leave
- Deferred Compensation Program and other pre-tax benefit programs (Medical/Daycare)
- Employees earn (12) paid Sick Days annually.
- New Employees earn (10) paid Vacation Days their first year of service and can earn up to (25) paid Vacation Days annually.
- Employees earn (3) paid Personal Days annually.
- (13-14) paid holidays annually (based on start date)
- Tuition Reimbursement

We invite qualified applicants to apply to become part of our team. We are confident that you will take pride in serving Illinois and its residents and visitors.

Job Responsibilities

This position is accountable for coordinating and operating the department's advanced traffic management system (ATMS) including specification and procurement reviews, communication and coordination with vendor support staff, troubleshooting software and communications issues, and the ATMS hardware/software support and training of Bureau of Operations and district communications center staff.

Geographical area:	Statewide
Existing ATMS components:	
Dynamic message signs:	100
Traffic surveillance systems:	10
Fiber optic inventory:	550 miles - Illinois Department of Transportation (IDOT) owned; 3,100 miles owned by other entities
Training Sessions:	10 annually

This position reports to the Intelligent Transportation Systems (ITS) Unit Manager. There are no subordinates reporting to this position.

This position works in an environment that is highly technical and fast-paced with involvement in emerging and evolving traffic management software, data communications protocols, and ITS hardware including traffic surveillance cameras, dynamic message signs, and fiber optic communication lines. This position acts as a technical advisor on the use of the ATMS and various types of ITS equipment and helps establish and integrate seamless transportation systems management and operations strategies between the statewide communications center and district office/state agency/local public agency (LPA) field staff to improve the safety, efficiency, and quality of life for the motoring public in Illinois. The ATMS is also a central repository for gathering and disseminating traffic data including law enforcement computer-aided-dispatch data, automatic vehicle location (AVL) data, winter weather roadway conditions, roadway work zone information, and public crowdsourcing data.

Typical problems with this position include troubleshooting the ATMS communications and programming issues both at the central and district offices and ensuring that appropriate department staff have the proper training and protocols to effectively utilize the ATMS capabilities. The greatest challenges include maintaining good working relationships with the district offices and other state agencies; keeping abreast of the latest technologies for traffic management system hardware and software; and assisting with the maintenance, cybersecurity, and proper operation of the department-owned ITS networks and systems.

(Job Responsibilities continued)

The incumbent is responsible for the successful day-to-day operation of the department's statewide ATMS which is the central software platform for programming ITS elements including dynamic message signs, video surveillance cameras, and vehicle detection devices. The incumbent assists with maintaining compliance with applicable ITS architecture plans, the Manual on Uniform Traffic Control Devices (MUTCD), Bureau of Operations policies, and federal/state/local government regulations. S/He assists with the overall coordination of the ATMS and its ability to communicate and interact with other software platforms such as the Getting Around Illinois website, Gateway Traveler Information System which feeds data to the Travel Midwest website, and other state/local traffic management systems. The incumbent provides rapid solutions to technical issues that may arise from the use and implementation of the ATMS. S/He provides and develops training and training materials for staff using the ATMS and assists with the ATMS maintenance items and district office requests regarding ITS hardware, software updates, and network connectivity issues. The incumbent provides management and specification development for consultant or vendor contracts associated with the purchase and ongoing use of the ATMS.

The incumbent is given wide latitude in developing proper specifications and requirements for the ATMS to allow for the implementation of newer and advanced communications and data technologies and ensuring those technologies are properly accommodated within the ATMS. The incumbent can determine if the current ATMS is meeting the needs of the department and provide recommendations for purchases or modifications of future traffic management systems. Problems of an unusual nature should be referred to the Intelligent Transportation Systems Unit Manager for resolution.

Internally, the incumbent has contact with staff in the Bureaus of Operations, Construction, Design and Environment, Business Services, and Information Processing, along with district office personnel. Externally, the incumbent has contact with contractors, manufacturers, suppliers, researchers, the Department of Innovation and Technology (DoIT)/Central Management Services (CMS) personnel, and the Federal Highway Administration (FHWA) staff. Occasional statewide travel with overnight stays is required.

The effectiveness of this position is measured by the level of technical guidance and assistance provided to the communications center staff and district office ITS coordinators, ability to adapt to emerging technologies, and communications with the ATMS vendor to ensure successful ATMS operation.

Principal Accountabilities

1. Ensures ATMS operational compliance with federal and state regulations and policies.
2. Develops training materials and performs ATMS training for the central and district offices operations staff.
3. Develops ATMS standard operating procedures and guidance documents/user manuals.
4. Develops solutions and resolves issues of a highly technical nature associated with the implementation and use of the department's ATMS.
5. Manages consultant and vendor contracts tied directly to the department's ATMS.
6. Develops specifications and requirements for the ATMS purchase and service contracts.
7. Coordinates ATMS software updates with the central and district offices.
8. Acts as a technical advisor to the Bureau of Operations and district office staff on the use of ATMS and various types of ITS equipment.
9. Performs duties in compliance with departmental safety rules. Performs all duties in a manner conducive to the fair and equitable treatment of all employees.
10. Performs other duties as assigned.

Qualifications

Position Requirements

- Education/Experience
 - Completion of a bachelor's degree majoring in business, computer science, or information technologies plus 3 years of experience working with intelligent transportation system software and/or hardware, managing traffic incidents, troubleshooting technical issues with software and/or hardware, or a combination thereof; OR
 - Eleven years of experience working with intelligent transportation system software and/or hardware, managing traffic incidents, troubleshooting technical issues with software and/or hardware, or a combination thereof
- Valid driver's license
- Occasional statewide travel with overnight stays

Position Desirables

- Previous experience with ATMS and/or traffic signal monitoring software
- Previous experience with computer-aided dispatch systems
- Ability to develop and maintain cooperative relationships with department staff, state agencies and LPA staff, traffic industry organization personnel, and the public
- Effective oral and written communication skills

Work Hours: 8:00 A.M. - 4:30 P.M. Monday-Friday

Work Location: 2300 S Dirksen Pkwy Springfield, IL 62764-0001

Office: Office of Highways Project Implementation / Bureau of Operations

Agency Contact: DOT.CONTACTHR@ILLINOIS.GOV

Job Family: Transportation; Leadership & Management; Science, Technology, Engineering & Mathematics

APPLICATION INSTRUCTIONS

Use the "Apply" button at the top right or bottom right of this posting to begin the application process.

If you are not already signed in, you will be prompted to do so.

State employees should sign in to the career portal for State of Illinois employees – a link is available at the top left of the [Illinois.jobs2web.com](https://illinois.jobs2web.com) homepage in the blue ribbon.

Non-State employees should log in on the using the "View Profile" link in the top right of the [Illinois.jobs2web.com](https://illinois.jobs2web.com) homepage in the blue ribbon. If you have never before signed in, you will be prompted to create an account.

If you have questions about how to apply, please see the following resources:

State employees: Log in to the career portal for State employees and review the Internal Candidate Application Job Aid

Non-State employees: on [Illinois.jobs2web.com](https://illinois.jobs2web.com) – click "Application Procedures" in the footer of every page of the website.

The main form of communication will be through email. Please check your "junk mail", "spam", or "other" folder for communication(s) regarding any submitted application(s). You may receive emails from the following addresses:

- donotreply@SIL-P1.ns2cloud.com
- systems@SIL-P1.ns2cloud.com